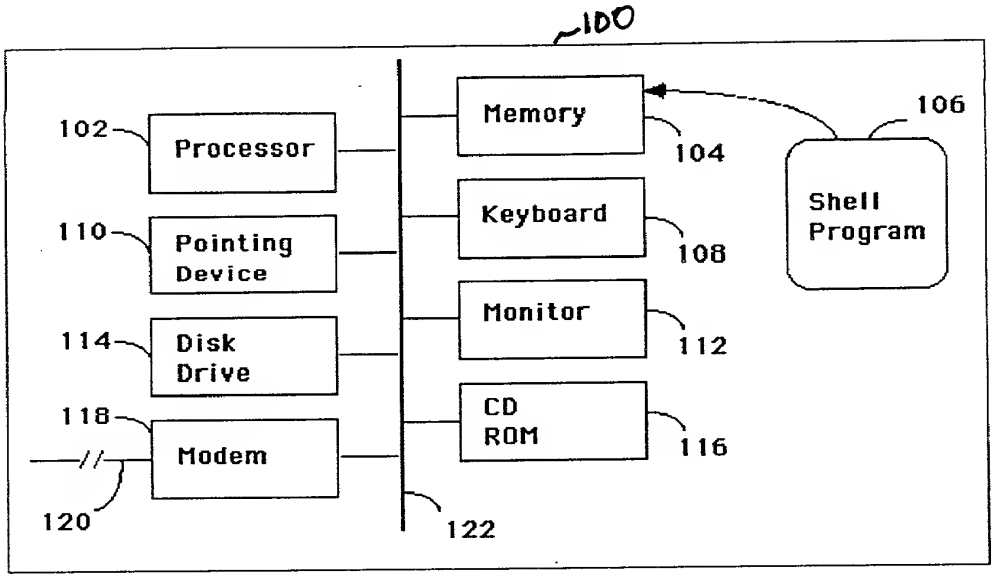
100
102
Processor
110
Pointing Device
114
Disk Drive
118
Modem
120
Memory
104
Keyboard
108
Monitor
112
CD ROM
116
122
106
Shell Program

FIG. 1

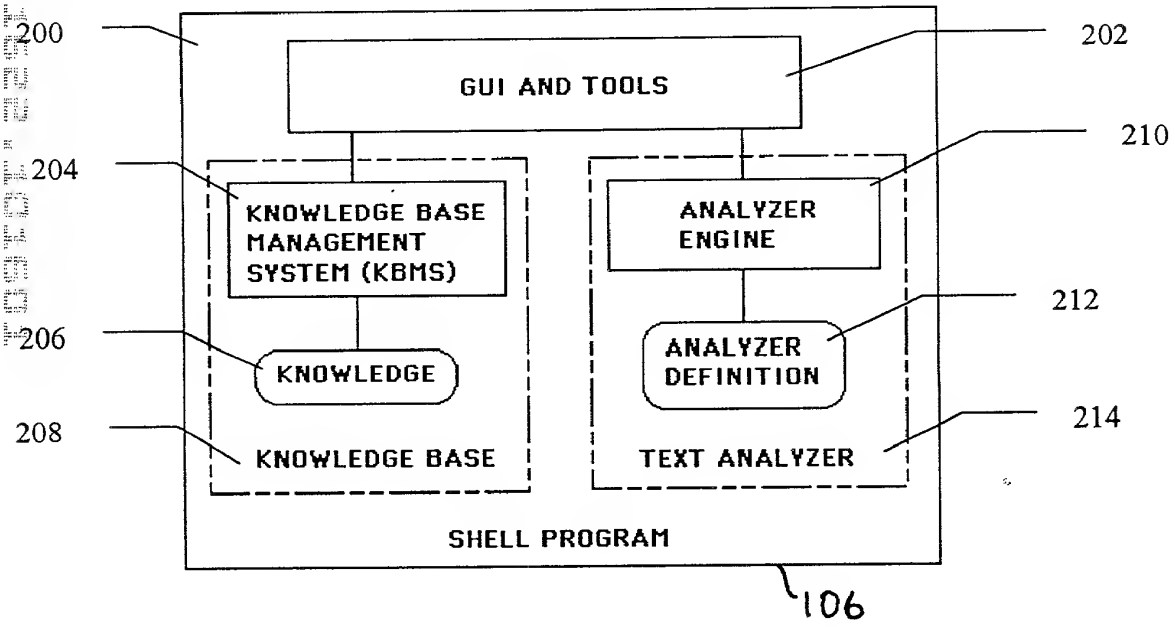
200
202
GUI AND TOOLS
210
204
KNOWLEDGE BASE MANAGEMENT SYSTEM (KBMS)
ANALYZER ENGINE
212
206
KNOWLEDGE
ANALYZER DEFINITION
214
208
KNOWLEDGE BASE
TEXT ANALYZER
SHELL PROGRAM
106

FIG. 2

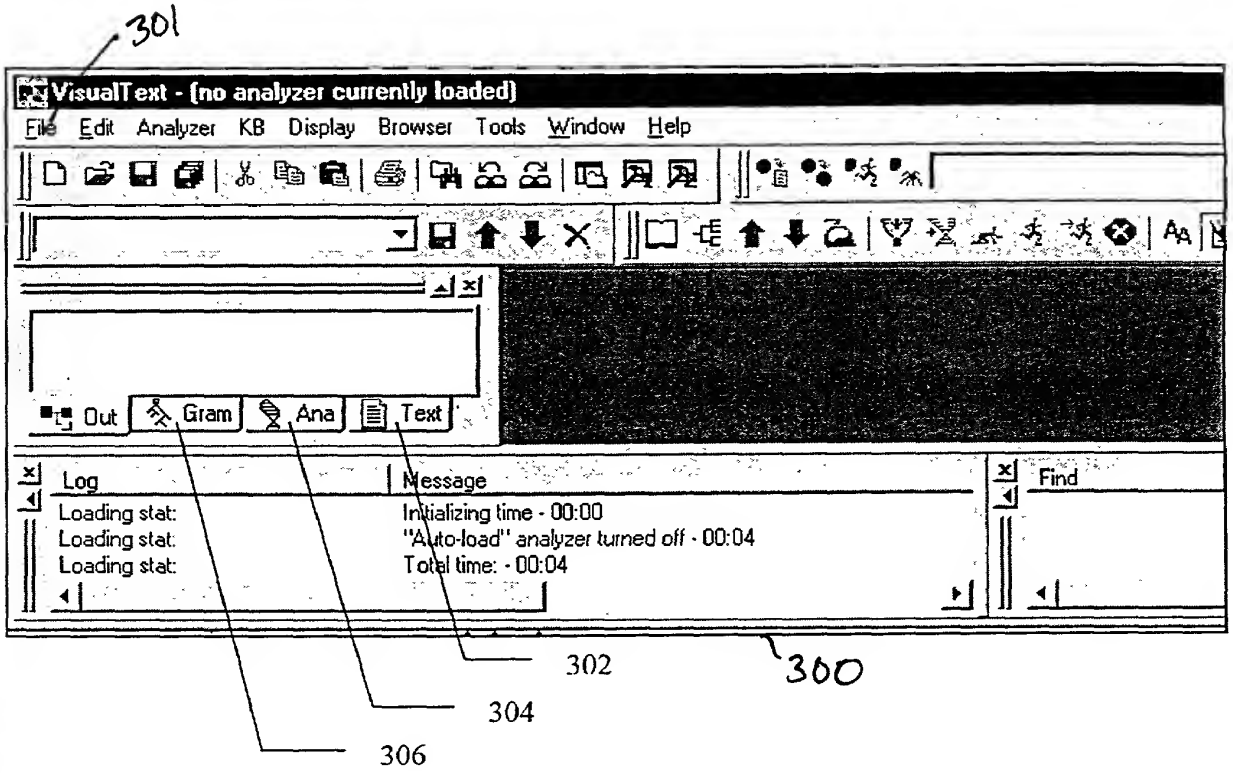
301
VisualText - (no analyzer currently loaded)
File Edit Analyzer KB Display Browser Tools Window Help
Out
Gram
Ana
Text
Log
Message
Find
Loading stat:
Loading stat:
Loading stat:
Initializing time - 00:00
"Auto-load" analyzer turned off - 00:04
Total time: - 00:04
302
300
304
306

FIG. 3

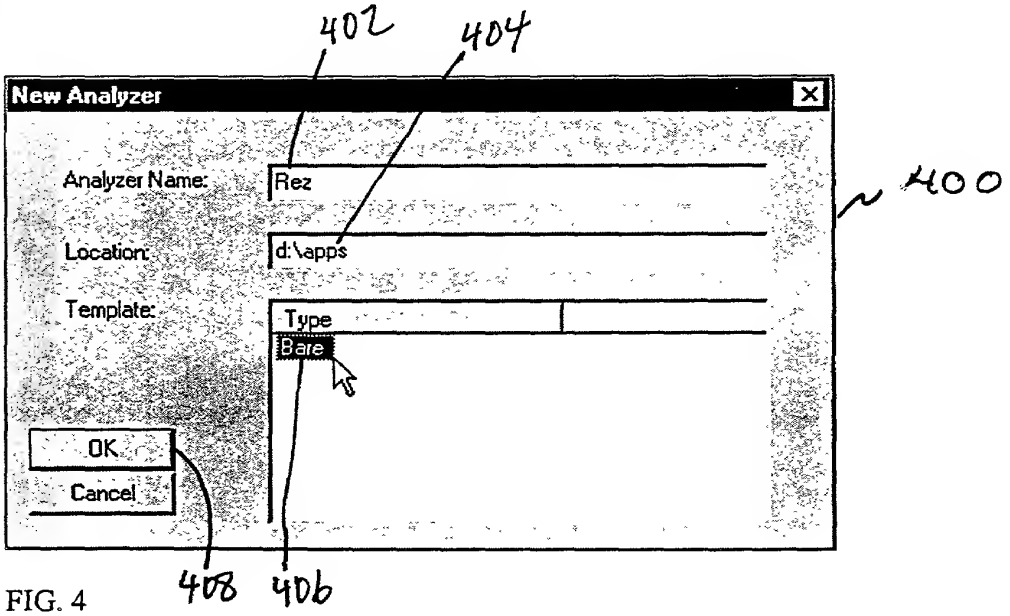
402
404
New Analyzer
Analyzer Name:
Rez
Location:
d:\apps
Template:
Type
Bare
OK
Cancel
400
408
406

FIG. 4

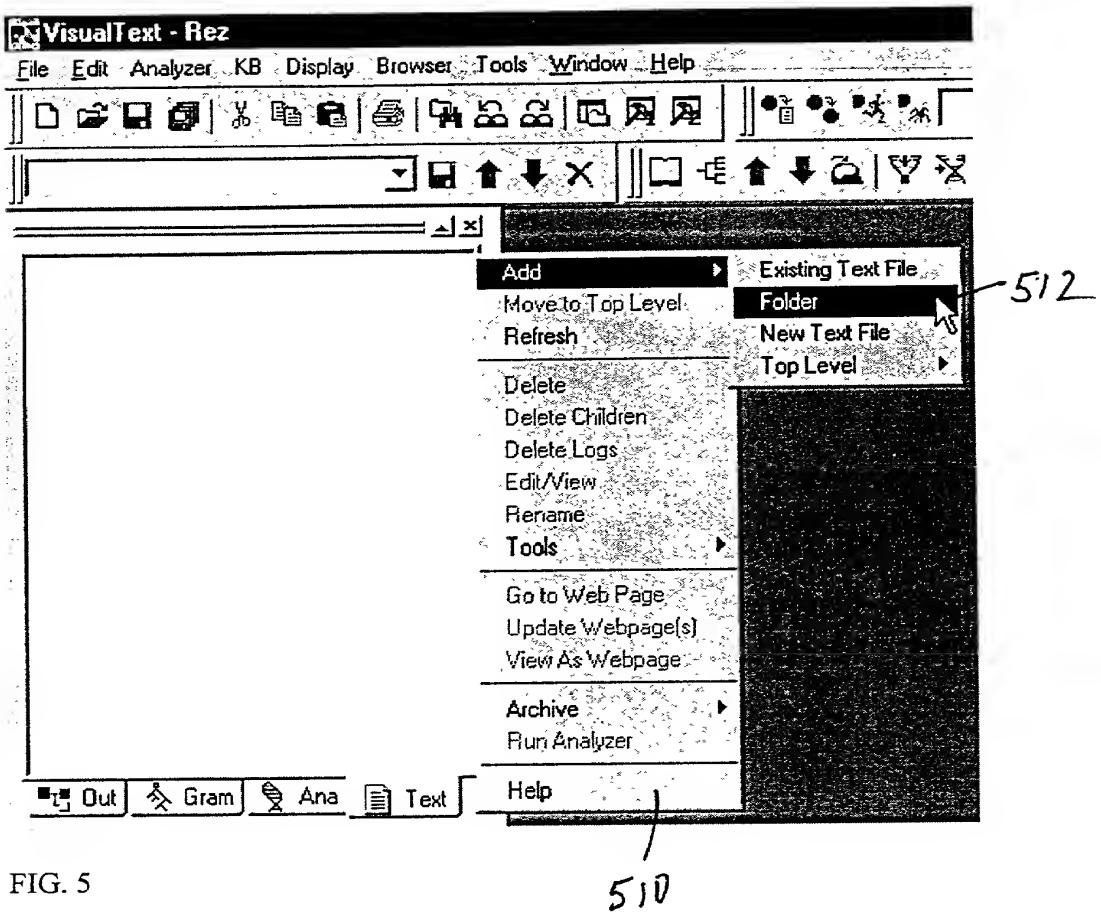
VisualText - Rez
File Edit Analyzer KB Display Browser Tools Window Help
Add
Move to Top Level
Refresh
Delete
Delete Children
Delete Logs
Edit/View
Rename
Tools
Go to Web Page
Update Webpage(s)
View As Webpage
Archive
Run Analyzer
Help
Existing Text File
Folder
New Text File
Top Level
Out
Gram
Ana
Text
512
510

FIG. 5

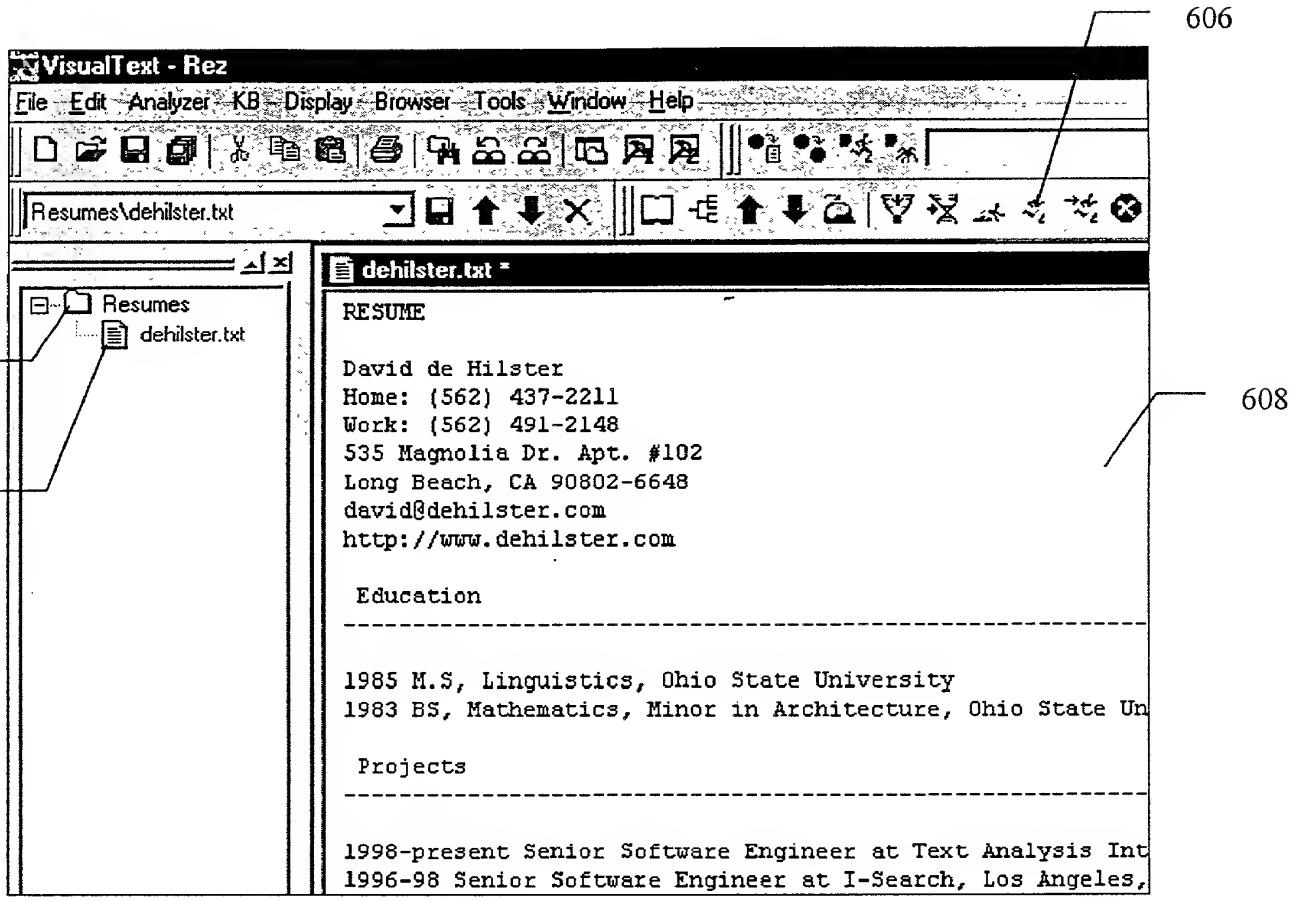
606
VisualText - Rez
File Edit Analyzer KB Display Browser Tools Window Help
Resumes\dehilster.txt
Resumes
dehilster.txt
602
604
dehilster.txt *
608
RESUME
David de Hilster
Home: (562) 437-2211
Work: (562) 491-2148
535 Magnolia Dr. Apt. #102
Long Beach, CA 90802-6648
david@dehilster.com
http://www.dehilster.com
Education
1985 M.S, Linguistics, Ohio State University
1983 BS, Mathematics, Minor in Architecture, Ohio State Un
Projects
1998-present Senior Software Engineer at Text Analysis Int
1996-98 Senior Software Engineer at I-Search, Los Angeles,

FIG. 6

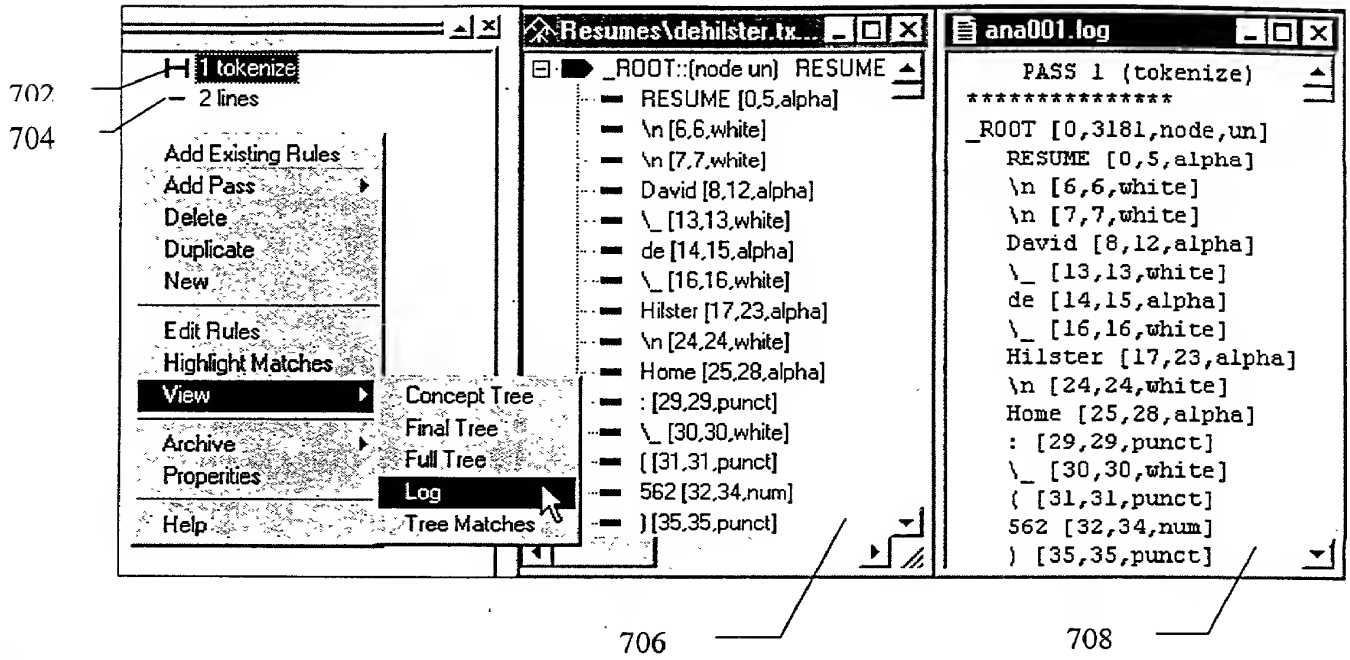
1 tokenize
2 lines
Add Existing Rules
Add Pass
Delete
Duplicate
New
Edit Rules
Highlight Matches
View
Archive
Properities
Help
Concept Tree
Final Tree
Full Tree
Log
Tree Matches
Resumes\dehilster.tx...
_ROOT::(node un) RESUME
RESUME [0,5,alpha]
\n [6,6,white]
\n [7,7,white]
David [8,12,alpha]
_ [13,13,white]
de [14,15,alpha]
_ [16,16,white]
Hilster [17,23,alpha]
\n [24,24,white]
Home [25,28,alpha]
: [29,29,punct]
_ [30,30,white]
([31,31,punct]
562 [32,34,num]
) [35,35,punct]
ana001.log
PASS 1 (tokenize)
****
_ROOT [0,3181,node,un]
RESUME [0,5,alpha]
\n [6,6,white]
\n [7,7,white]
David [8,12,alpha]
_ [13,13,white]
de [14,15,alpha]
_ [16,16,white]
Hilster [17,23,alpha]
\n [24,24,white]
Home [25,28,alpha]
: [29,29,punct]
_ [30,30,white]
([31,31,punct]
562 [32,34,num]
) [35,35,punct]
702
704
706
708

FIG. 7

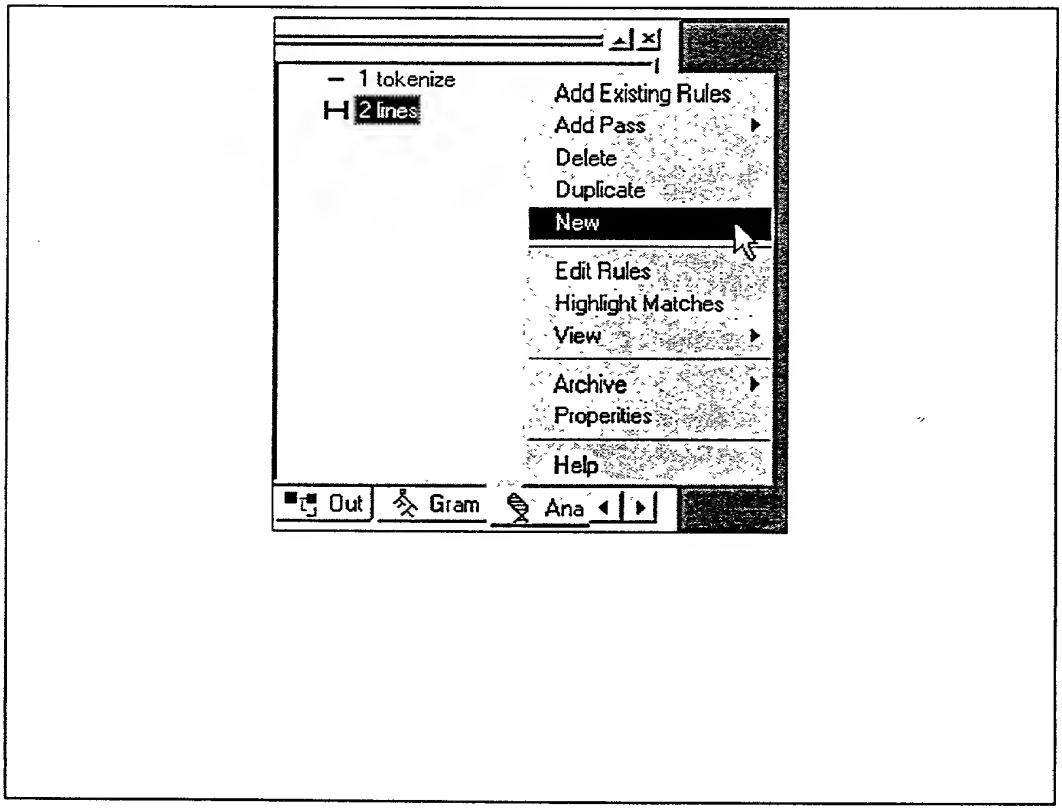
1 tokenize
2 lines
Add Existing Rules
Add Pass
Delete
Duplicate
New
Edit Rules
Highlight Matches
View
Archive
Properities
Help
Out
Gram
Ana

FIG. 8

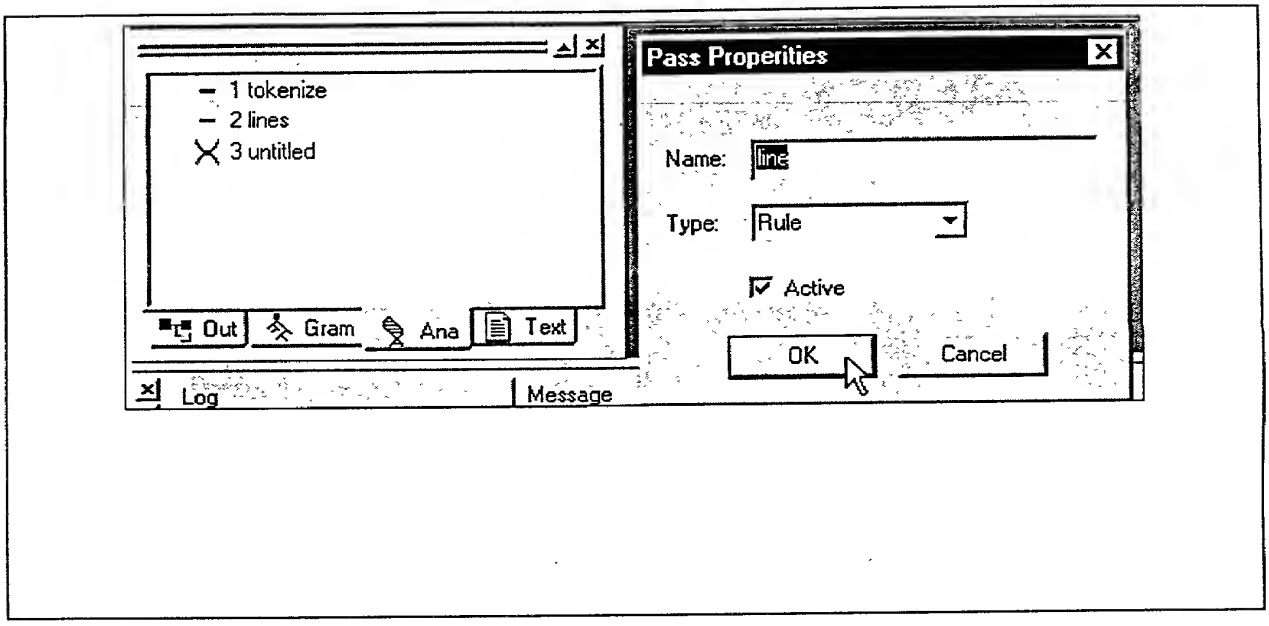
1 tokenize
2 lines
3 untitled
Out
Gram
Ana
Text
Log
Message
Pass Properities
Name:
line
Type:
Rule
Active
OK
Cancel

FIG. 9

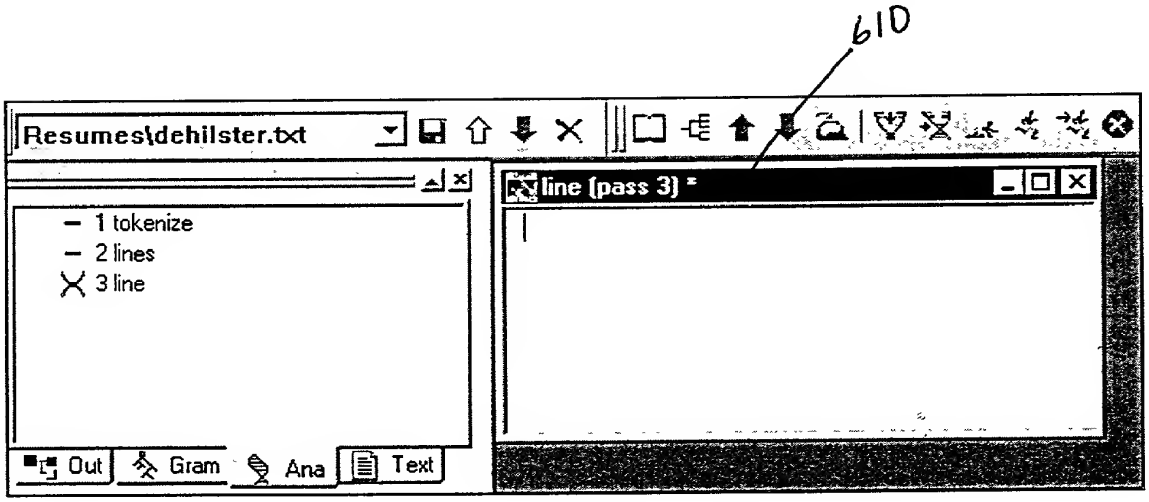
610
Resumes\dehilster.txt
1 tokenize
2 lines
3 line
Out
Gram
Ana
Text
line (pass 3) *

FIG. 10

line (pass 3)

```
@NODES _ROOT
@RULES
_BLANKLINE <- _xWILD [matches=(\  \r \t)] \n @@

_LINE [unsealed] <- _xWILD [min=0 max=0 fails=(\n)] \n @@

# If last line of file has no newline.
_LINE [unsealed] <- _xWILD [plus fails=(\r \n)] @@
```

FIG. 11

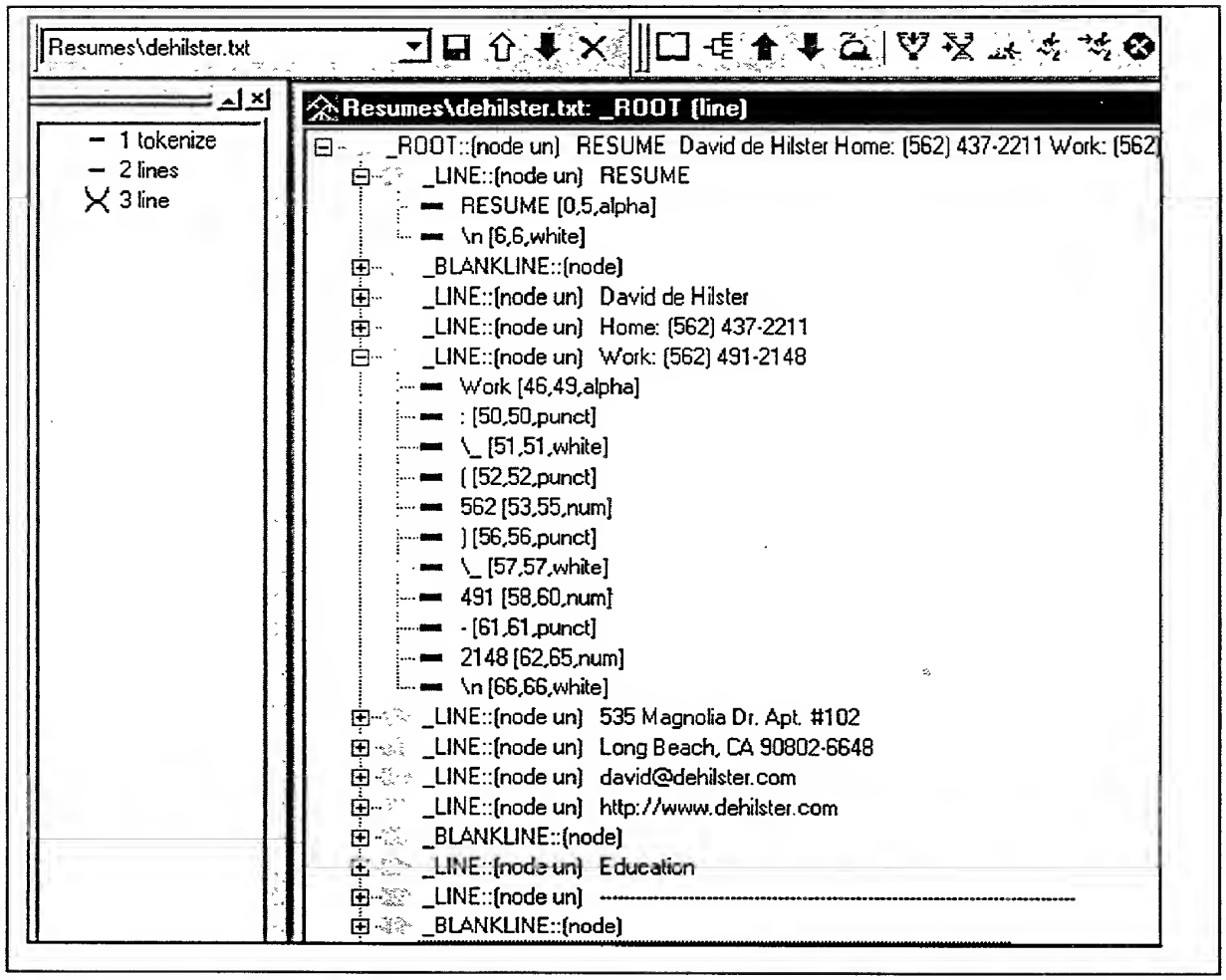

FIG. 12

line (pass 3)

```
@CODE
G("number of lines") = 0; # Initialize counter to zero.
@@CODE

@NODES _ROOT

@RULES
_BLANKLINE <- _xWILD [matches=(\  \r \t)] \n @@

@POST
  ++G("number of lines");   # Increment line count by one.
  single();                 # Reduce matched nodes to _LINE.
@RULES
_LINE [unsealed] <- _xWILD [min=0 max=0 fails=(\n)] \n @@

# If last line of file has no newline.
_LINE [unsealed] <- _xWILD [plus fails=(\r \n)] @@
```

FIG. 13

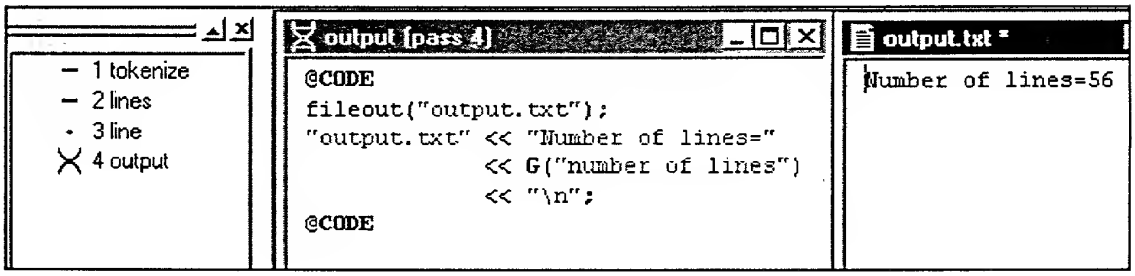

FIG. 14

```
@PATH _ROOT _educationZone _educationInstance _LINE

@POST
if (!X("city",3))
  X("city",3) = N("$text");
# noop()
@RULES
_xNIL <- _city [s] @@
```

FIG. 15